

Wind Turbine Supplement

Wisconsin Standard Distributed Generation Application Form

APPLICANT NAME

LAST NAME

FIRST NAME

MIDDLE NAME

1. WIND GENERATOR AND INVERTER INFORMATION

* Attach Manufacturer specification data sheets (If necessary)

WIND TURBINE MANUFACTURER

MODEL NUMBER

NUMBER OF TURBINES

Generator Technology: Synchronous

Induction

Dually-Fed Induction

Power Electronic Converter

Other

RATED POWER OF EACH TURBINE **kW**

AT AVERAGE WIND SPEED **mph**

MAXIMUM POWER OF EACH TURBINE **kW**

AT MAXIMUM WIND SPEED **mph**

For induction machines, what is the inrush (startup) current? **Amps**

IF APPLICABLE

*Attach pages as needed to identify additional makes or models

INVERTER MANUFACTURER

INVERTER MODEL NUMBER

INVERTER MAXIMUM NAMEPLATE AC RATING **(kW)** **(kVA)** **(voltage)**

POWER FACTOR ADJUSTMENT RANGE **min** **max**

TOTAL NUMBER OF INVERTERS

CERTIFICATIONS (e.g. UL)

TOTAL RATED POWER OF THE SYSTEM **kW**

AT AVERAGE WIND SPEED **mph**

TOTAL MAXIMUM POWER OF THE SYSTEM **kW**

AT MAXIMUM WIND SPEED **mph**

Total inrush (startup) current = **Amps**

2. GENERATION TYPE

Single-Phase

Three-phase

If three-phase, specify configuration:

3-wire delta

3-wire wye

4-wire grounded wye

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3. INTERCONNECTION DISCONNECT SWITCH SHORT CIRCUIT CURRENT SPECIFICATIONS

3a) Total short circuit current contribution of the generating system (at point of interconnection)

_____ Amps (single-phase) _____ Amps (three-phase symmetrical) _____ Amps (asymmetrical)

3b) Load break capability rating of disconnection device (Must be greater than or equal to #3a above)

_____ Amps (single-phase) _____ Amps (three-phase symmetrical) _____ Amps (asymmetrical)

4. WILL APPLICANT INSTALL A DEDICATED TRANSFORMER?

Yes No If yes, specify winding configuration: _____ [HV winding] _____ [LV winding]

If Yes, provide the following and attach manufacturer specification data sheets

Rating _____ kVA Primary Volts _____ V
Secondary Volts _____ V Impedance _____ %

If three-phase, specify connection configuration: 3-wire delta 3-wire wye 4-wire grounded wye

5. PROTECTIVE EQUIPMENT (THIS MAY BE DETERMINED BY THE ELECTRIC SERVICE PROVIDER). IF EQUIPMENT IS KNOWN, ATTACH MANUFACTURER SPECIFICATION DATA SHEETS.

6. WILL AN ENERGY STORAGE SYSTEM BE INSTALLED? (IF SO, FILL OUT ENERGY STORAGE SUPPLEMENT AND ATTACH SPECIFICATION SHEETS)

Yes No If Yes, is specification sheet attached?

7. ANY ADDITIONAL COMMENTS?
